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Model Land Use Plan of Lucknow, Kanpur Nagar, Agra, Bareilly, Moradabad and Meerut Districts

[An Action Plan]

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I INTRODUCTION

In the Model Land Use Plan of six districts namely Lucknow, Kanpur Nagar, Agra, Bareilly, Moradabad and Meerut districts, certain land use categories have been identified which required management in order to achieve a desirable land use pattern. As suggested by the Principal Secretary, Department of Planning, Government of Uttar Pradesh during the presentation of Model Land Use Plan of Lucknow district on March 3, 2005, following Plan of Action is being proposed so that the recommendations given in the Model Land Use Plans of respective districts may be implemented.

II LUCKNOW DISTRICT

II.1 Action Plan to Increase the Area of Forest

The area under forest was drastically reduced in Uttar Pradesh after the creation of Uttaranchal State. Even before it, forest area was far lower in the state in comparison with the standard norm of 30 per cent of the reporting area as recommended in the National Forest Policy. In the district of Lucknow, percentage of forest area to reporting area has been around 9 per cent till 2002-2003. It has been proposed in the Model Land Use Plan of Lucknow district to increase the area under forest from 9 per cent in 2000-01 to 13 percent by 2009-2010. It has been adopted by the Forest Department, Government of Uttar Pradesh that the tree cover would now be considered as the land area covered with forest. A review of area under forest within the district has revealed that there are blocks where the area under forest has been lower than the average of the district. The forest development Programme needs to be taken up in such

blocks which have relatively lower area under forest. These are the following blocks.

Table 1: Blocks where Forest Development Programme needs to be Implemented

Sl.No	Block
1	Mall
2	Gosainganj
3	Sarojini Nagar
4	Malihabad
5	Chinhat
6	Kakori
7	Bakshi-ka-Talab

Source: Sankhyakiya Patrika, 2001, District Lucknow

II.2 Action Plan to Reduce the Area of Barren Land

The area of barren land in Lucknow district was 9000 hectares during 2000-2001. It constituted around 4 per cent of the reporting area. In view of type of barren land available in the district and efforts made by the concerned departments for its reclamation, it has been suggested in the Model Land Use Plan to gradually reclaim the area of barren land in the district to bring it to the level of around 3 per cent of the reporting area by 2009-2010. The following blocks where area of barren land has been found to be higher than the average of the Lucknow district needs to be given priority in reclamation Programme.

Table 2: Blocks where Reclamation of Barren land is to be taken up

Sl.No	Block
1	Sarojini Nagar
2	Kakori
3	Gosainganj

Source: Sankhyakiya Patrika, 2001, District Lucknow

II.3 Action Plan to Manage the Area under Non-Agricultural Uses

According to the Master Plan, 2001 of Lucknow, land used for non agricultural purposes showed an annual growth of 4.07 per cent during the last 15 years. It can be observed that the agricultural land has been generally diverted for non agricultural uses. The situation not only calls for planning the rate of growth in the area used for various non agricultural uses but necessitates that the diversion of fertile Agricultural land should be avoided as far as possible. In the blocks of Sarojini Nagar, Kakori and Gosainganj, there have been faster increase in the area under non agricultural uses which needs to be given due consideration in the planning for urbanization in Lucknow district.

II.4 Action Plan to Reduce the Area under Culturable Waste

The district of Lucknow has higher Percentage of Culturable waste in its reporting area in comparison with the state. Keeping in view the constant increase in demand of land for varying needs, area of Culturable waste should be utilized for various agricultural and allied purposes. There are two blocks in Lucknow district namely the Mohanlalganj and Chinhat where the area of culturable waste has been found to be substantial. Therefore, utilization of area of culturable waste on priority basis assumes significance in both these blocks.

II.5 Action Plan to Reduce the Area under Current Fallow

The area under current fallow constituted around 12 per cent of the reporting area in Lucknow district during 2000-2001 which was quite substantial. In view of scarcity of land, utilization of current fallow has become the need of

Mall where the percentage of area under current fallow has been found to be higher in their respective reporting areas. It is, therefore, suggested that efforts should be made by the department of Agriculture to utilize the area of current fallow in the entire district of Lucknow in general and in Gosainganj, Chinhath and Mall blocks in particular.

II.6 Action Plan to Reduce the Area under Other Fallow

The area of other fallow land constituted around 6 per cent of reporting area in Lucknow district. The trend indicated that large agricultural area has been left uncultivated despite the fact that there was always the need to bring more and more area for agricultural purpose. In the proposed Model Land Use Plan of Lucknow district, gradual utilization of other fellow land has been proposed. It has been envisaged that area of other fellow land would be reduced to 3 per cent by 2009-2010. The farmers of Chinhath, Sarojini Nagar and Bakshi-Ka-Talab seem to have been leaving relatively large part of their agricultural land as old fellow. In these blocks, special drive needs to be initiated to make farmers aware for not leaving their agricultural land uncultivated.

II.7 Action Plan to Manage the Net Area Sown

The changes proposed in different land use categories may lead to shift in the area under cultivation. In the blocks of Chinhath, Gosainganj, Sarojini Nagar and Mohanlalganj, net area sown needs to be increased because in these blocks diversion of agricultural land to non agricultural uses has been quite large.

III KANPUR NAGAR

III.1 Action Plan to Increase the Area of Forest

The percentage of area under forest to reporting in Kanpur Nagar district was only 0.53 per cent during the year 2000-2001. This area of forest has been quit lower as compared to the situation in Uttar Pradesh as a whole. In the Model Land Use Plan, a methodology has been proposed to increase the forest area in the district to 6 per cent by 2009-2010. In the following blocks of district, forest area is needed to be increased.

Table 3: Blocks where Forest Development Programme needs to be implemented

Sl.No	Block
1	Palara
2	Bidhunu
3	Ghatampur
4	Bhilargaon
5	Kalyanpur
6	Chaubepur
7	Bilhaur
8	Sarsaul
9	Shivrajpur
10	Kakwan

Source: Sankhyakiya Patrika, 2001, District Kanpur Nagar

III.2 Action Plan to Reduce the Area of Barren Land

The area of barren land Constituted around 4 per cent of the reporting area in the district during 2000-2001. Taking into account the past trend in the reclamation of barren land, it has been suggested in the Model Land Use Plan of the district to reduce the area of barren land by 3 per cent till 2009-2010. The

following blocks of the district have large area of barren land which should be reclaimed on priority in any Programme of barren land reclamation.

Table 4: Blocks where Reclamation of Barren land is to be taken up

Sl.No	Block
1	Shivrajpur
2	Kakwan
3	Chaube pur
4	Bilhaur
5	Kalyanpur

Source: Sankhyakiya Patrika, 2001, District Kanpur Nagar

III.3 Action Plan to Manage the Area under Non Agricultural Uses

The utilization of land for non agricultural purposes is second largest after the net area sown in the district. According to the Master Plan 2001 of Kanpur, land used for non agricultural purposes showed a growth of 32.3 per cent during 1987-2000. Being the industrial hub of the state, it is natural that growth in land area used for non agricultural purpose is going to be faster in the future on account of faster rate of urbanization which the district is likely to experience.

III.4 Action Plan to Reduce the Area under Culturable Waste

The area of Culturable waste land was reported to be more than 22,000 hectares in the district during 2000-2001. It constituted around 7 per cent of the reporting area. In the blocks of Kalayan pur, Bhidhunu and Bilhaur, area of Culturable waste was relatively larger. Therefore, required attention is to be focused for utilization of culturable waste land in these blocks.

III.5 Action Plan to Reduce the Area under Current Fallow

The district of Kanpur Nagar had larger area of around 20,000 hectares as current fallow in the year 2000-2001. It has also shown an increasing trend. Thus, it is required that such a large area which has been the part of net area sown earlier should not be left uncultivated. In the Model Land Use Plan of the district, possible reduction in the area of current fallow from 7 per cent in 2000-2001 to 4 per cent by 2009-10 has been estimated. The following blocks in the district have larger area of current fallow and the efforts are to be made first in these blocks to reduce it.

Table 5: Blocks where the Area of Current Fallow is to be reduced

Sl.No.	Block
1.	Chaubepur
2.	Kakvan
3.	Bilhaur
4.	Bidhunu
5.	Kalyanpur
6.	Sarsaul
7.	Shivraj Pur

Source: Sankhyakiya Patrika, 2001, District Kanpur Nagar

III.6 Action Plan to Reduce the Area under Other Fallow

The area of other fallow was substantial in the district to the extent of 11000 hectares during 2000-2001. Its percentage was around 4 in the reporting area. In this district, area of other fallow land did not show a declining trend in the past. In the following blocks, area of other fallow land had been higher than the average of the district. Therefore, the Department of Agricultural should try to reduce the area of other fallow land on priority basis in these blocks.

Table 6: Blocks where Area of Other Fallow land is to be reduced.

Sl.No	Block
1	Kalyanpur
2	Bidhunu
3	Ghatampur
4	Bhilargaon
5	Sarsaul
6	Palara

Source: Sankhyakiya Patrika, 2001, District Kanpur Nagar

III.7 Action Plan to Manage the Net Area Sown

The existence of substantial area under barren land, culturable waste, current fallow and other fallow land necessitates the utilization of such lands for agriculture and other purposes. Therefore, a gradual increase in net area sown has been envisaged which will result from diversions within different land use categories. The following blocks in this district, in Particular, will witness an increase in their net area sown.

Table 7: Blocks where Net Area Sown would be increased

Sl.No	Block
1	Kakwan
2	Chaubepur
3	Kalyanpur
4	Shivrajpur
5	Bidhunu
6	Bilhaur
7	Sarsaul

Source: Sankhyakiya Patrika, 2001, District Kanpur Nagar

IV AGRA DISTRICT

IV.1 Action Plan to Increase the Area of Forest

The percentage of area under forest to reporting area in Agra district was 11.41 per cent during 2000-2001. It was found to be much lower than the recommended level of 30 per cent of the National Forest Policy. Keeping in view which a low level of forest area in the district, a Methodology has been suggested to increase it to the extent of 15.50 per cent by 2009-10. As per propose increase, following blocks required priority where the percentage of forest area in their reporting area has been much lower than the situation at the district level.

Table 8: Blocks where Forest Development Programme needs to be Implemented

Sl.No	Block
1	Barauli Aheer
2	Sainya
3	Akola
4	Etmadpur
5	Fatehpur Sikari
6	Shamshadbad
7	Khandauli
8	Achnera
9	Khairagarh
10	Bichpuri

Source: Sankhyakiya Patrika, 2001, District Agra

IV.2 Action Plan to Reduce the Area of Barren Land

The area of barren land was less than one per cent of reporting area in the district during 2000-2001. The Model Land Use Plan of the district has

suggested a nominal annual reduction in the area of barren land in the district. Looking at the area of barren land across all the sixteen blocks of Agra district, it would be better if the Programme of barren land reclamation is taken up in the following blocks where such area has been found to be sizeable:

Table 9: Blocks where Reclamation of Barren land is to be taken up

Sl.No	Block
1	Bah
2	Achnera
3	Barauli Aheer
4	Bichpuri
5	Jaitpur Kalan
6	Fatehabad
7	Pinhat

Source: Sankhyakiya Patrika, 2001, District Agra

IV.3 Action Plan to Manage the Area under Non-Agricultural Uses

The Land used for non –agricultural purposes constituted around 9 per cent of the reporting area during the year 2000-2001. It showed an annual growth of 4 per cent during the year 1985-2000. On the basis of such trend, land requirement for non–agricultural purposes is likely to go up during the years to come. The blocks of Bichpuri, Jagner, Akola and Baruali Aheer have shown a relatively higher increase in the area of non–agricultural uses. In these blocks, care is to be taken that fertile agricultural land did not get diverted for non-agricultural uses.

IV.4 Action Plan to Reduce the Area under Culturable Waste

The area of culturable waste was 1.38 per cent in the year 2000-2001. A methodology has been proposed in the Model Land Use Plan of Agra district to bring area of culturable waste under cultivation and other usages. In the blocks of Jagner, Fatehabad and Khandauli, area of culturable waste has been found to be relatively higher as compared to other blocks. In these blocks efforts should be first made to utilize the area of culturable waste.

IV.5 Action Plan to Reduce the Area under Current Fallow

The area of current fellow was 10500 hectares in Agra district during 2000-2001. A complete plan has been presented in the Model Land Use Plan of the district to utilize the area under current fellow. The suggested plan should be implemented in the following blocks of the district as the area of current fellow is relatively large in these blocks as against other blocks of the district.

Table 10: Blocks where the Area of Current Fallow is to be reduced

Sl.No	Block
1	Jagner
2	Khandauli
3	Pinhat
4	Bah
5	Khairagad
6	Jaitpur kalan
7	Sainya
8	Fatehabad
9	Bichpuri

Source: Sankhyakiya Patrika, 2001, District Agra

IV.6 Action Plan to Reduce the Area under Other Fallow

The area under other fellow land was 6100 hectares in Agra district during 2000-2001. It constituted around 2 per cent of the reporting area. A successive reduction in the area of other fellow land has been suggested in the Model Land Use Plan of the district to utilize it for agricultural and other purposes. The strategy needs to be implemented in the following blocks where the area under other fellow land was found to be relatively lower as compared to other blocks

Table 11: Blocks where area under other fellow land is to be utilized

Sl.No	Block
1	Khairagad
2	Jaitpur kalan
3	Bichpuri
4	Fatehabad
5	Khandauli
6	Sainya

Source: Sankhyakiya Patrika, 2001, District Agra

IV.7 Action Plan to Manage the Net Area Sown

The changes envisaged in the land use pattern of Agra district as proposed in the Model Land Use Plan of the district will lead to nominal decline in the net area sown up to 2009-10. The blocks which may experience the decline in their net area sown are Fatehabad, Fatehpur Sikari, Achnera, Shamshabad and Jagner. In these blocks, greater use of culturable waste, current fellow and other fellow should be made in order to compensate the resultant loss in their net area sown.

V MORADABAD DISTRICT

V.1 Action Plan to Increase the Area of Forest

It has become evident in the Model Land Use Plan of Moradabad district that only 223 hectares of forest area was there in the district during 2000-2001. In this way Moradabad district had a very low percentage of forest area in the reporting area. As per methodology suggested in the Model Land Use Plan, forest area of the district may be increased to the extent of 4.63 per cent by 2009-2010. It is suggested that a programme to develop forest should be carried in the following blocks at first instance because in these blocks forest area has been lower as compared to the situation at the district level.

Table 12: Blocks where Forest Development Programme needs to be taken up

Sl.No	Block		Block
1	Chajlait	7	Baniyakhera
2	Ashmauli	8	Bahajoi
3	Sambhal	9	Bilari
4	Panwasa	10	Deengarpur
6	Moradabad	12	Mundapande

Source: Sankhyakiya Patrika, 2001, District Moradabad

V.2 Action Plan to Reduce the Area of Barren Land

The area of barren land was found to be large in the district. It was 1.14 percent of the reporting area during 2001-02. The use of barren land as proposed in the Model Land Use Plan of the district has envisaged its gradual reclamation which will reduce its area to 0.94 per cent by 2009-2010. In the following blocks, plan of barren land reclamation needs to be taken because these blocks still have larger area of barren land in comparison with the proportion of area of barren land in the district as a whole.

Table 13: Blocks where Reclamation of Barren land is to be taken up

Sl.No	Block
1	Moradabad
2	Mundapande
3	Deengarpur
4	Bhagatpur Tanda
5	Dilari
6	Thakurdawara

Source: Sankhyakiya Patrika, 2001, District Moradabad

V.3 Action Plan to Manage the Area under Non Agricultural Uses

The land area under Non- Agricultural uses in reporting area of Moradabad district was around 10 per cent in 2001-2002. As per Model Land Use Plan of the district, area under Non- Agricultural uses would increase to around 14 per cent by 2009-2010. The blocks of Moradabad, Bhagatpur Tanda, Bilari and Dilari have shown faster increase in the area under non- agricultural uses as compared to the other blocks of the district. The trend is likely to persist in future as district is experiencing a faster pace of urbanization and industrialization. Therefore, strategy of diversion of land to non-agricultural uses needs to be adopted as outlined in the Model Land Use Plan of the district.

V.4 Action Plan to Reduce the Area under Culturable Waste

The area of culturable waste was only 0.43 per cent of the reporting area during 2000-2001 in Moradabad district. In the Model Land Use Plan of the district, it has been proposed to use 1.50 per cent of the culturable waste area for increasing tree cover and 3 per cent to the net area sown. In this way, area

of culturable waste would be gradually reduced to 0.28 per cent by 2009-2010. In the blocks of Munda pande, Moradabad, Chajlait, and Thakurdawara, area of culturable waste has been relatively lower as compared to other blocks of the district. It is proposed that in these blocks, area of culturable waste should be utilized by Department of Agriculture as suggested in the Model Land Use Plan of the district.

V.5 Action Plan to Reduce the Area under Current Fallow

The area under current fallow in the district was around 2 per cent during 2000-2001. A plan has been suggested to use the area of current fallow for increasing tree cover, non- agricultural uses and net area sown. The blocks of mundapende, Moradabad, Bhagatpur Tanda and chajlait, area under current fallow has been higher as compared to other blocks and the district. Therefore, in these blocks, area of current fallow needs to be used as suggested in the Model Land Use Plan of the district.

V.6 Action Plan to Reduce the Area under Other Fallow

The area under fallow land has been not much in the district. It was less than one per cent during 2000-2001. It was proposed in the Model Land Use Plan of the district to use the area of other fallow land for increasing tree cover, non-agricultural purposes and net area sown. Such diversion will lead to gradual reduction of the other fallow land to less than half per cent by 2009-2010. In the five blocks of Moradabad, mundapande, Bahjoi Bhagatpur Tanda, area of other

fallow land has found to be relatively higher. Hence, efforts need to be concentrated in there blocks to use the area of other fallow land.

V.7 Action Plan to Manage the Net Area Sown

The percentage of net sown area in reporting area of Moradabad district has been higher than the state level. The diversion of land for various non-agricultural uses will lead to reduction in the net area sown. All the blocks of Moradabad district would be experiencing a decline in their net area sown except Moradabad, Mondapande and Bhagatpur Tanda where the percentage of net area sown has been comparatively lower than of other blocks. As per Model Land Use Plan of the district, percentage of net area to reporting area will come down to 78 per cent by 2009-2010 from 85 percent of 2000-2001.

VI BAREILLY DISTRICT

VI.1 Action Plan to Increase the Area of Forest

The area under forest in Bareilly district had been very low and it never exceeded 0.10 per cent of reporting area during 1980-1981 to 2000-2001. Therefore, a plan was proposed in the Model Land Use Plan of the district to increase the area of forest. If implemented, it may lead to an increase in forest area from 0.06 per cent in 2000-2001 to 5 per cent by 2009-2010. The forest development Programme needs to be implemented in all the fifteen blocks of the district, as the total forest area in the district was only 226 hectares during 2000-2001, which was concentrated only in Faridpur and Alampur Jafrabad blocks, besides 56 hectares in urban area. The list of blocks in order of priority is given below Where the Programme of a forest development is to be carried.

Table 14: Blocks where Forest Development Programme needs to be Implemented

Sl.No	Block
1	Baheri
2	Shergarh
3	Damkhoda
4	Meerganj
5	Fatehganj (w)
6	Bhojipura
7	Kyara
8	Ram Nagar
9	Majhgawan
10	Bhadpura
11	Bithari Chainpur
12	Nawabganj
13	Bhuta
14	Alampur Jafrabad
15	Faridpur

Source: Sankhyakiya Patrika, 2001, District Bareilly

VI.2 Action Plan to Reduce the Area of Barren Land

The total area of barren land in Bareilly district was 10710 hectares during 2000-2001. It was around 3 per cent of reporting area. It has been estimated in the Model Land Use Plan of the district that roughly 100 hectares of barren land would be possible to reclaim each year up to 2009-2010. The blocks are Kyra , Meerganj, Faridpur and Alampur Jafrabad where there is concentration of barren land. In these blocks reclamation efforts needs to be initiated on priority basis.

VI.3 Action Plan to Manage the Area under Non- Agricultural Uses

The process of expansion of area under non-agricultural uses has been fast in Bareilly district in general and around Bareilly city in particular. During 1987-2002, area of Bareilly city had experienced an annual growth of four per cent. It is also clear from the Model Land Use Plan of the district that in the process of urbanization, largely the land under cultivation was diverted. The

trend is evident more in the blocks of Fatehganj(w), Meerganj, Bahedi, Kyara, Bithari Chainpur, Bhojipura and Shergarh. The process is avoidable, if concerned officials try that the diversion of Agricultural land to non-agricultural uses is minimized to the possible extent.

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VI.4 Action Plan to Reduce the Area under Culturable Waste

The area of Culturable waste has been lower in the district. Its share in the reporting area of the district was 0.52 per cent in 2000-2001. The existing area of culturable waste can be diverted for use among two types of uses. These area forest and net area sown. In the following blocks, area of Culturable waste is relatively higher which needs to be utilized.

Table 15: Blocks where culturable waste needs to be used

Sl.No	Block
1	Alampur Jafrabad
2	Kyara
3	Ram Nagar
4	Fatehganj (w)
5	Majhgaon
6	Bhuta
7	Madpura
8	Meerganj

Source: Sankhyakiya Patrika, 2001, District Bareilly

VI.5 Action Plan to Reduce the Area under Current Fallow

The area of current fellow was 6523 hectares in the district during 2000-2001. In the Model Land Use Plan of the district use of current fellow has been proposed for the forest, non-agricultural purposes and net area sown. The diversion of current fellow to these uses will gradually reduce its area to 1.07 per

cent of reporting are by 2009-2010. In the blocks of kyara, Meerganj, Faridpur, Fatehganj(w), and Majhgaon, area under current fellow has been comparatively higher and efforts should be made to reduce the area of current fellow in these blocks in order to bring about overall reduction in the area of current fellow in the district.

VI.6 Action Plan to Reduce the Area under Other Fallow

The area under other fallow land was 4639 hectares in 2000-2001. It was 1.14 per cent of reporting area. It has been proposed in the Model Land Use Plan of the district to utilize the area of other fellow land mainly for cultivation. There are seven blocks in the district namely the kyara, Meerganj, Majhagaon, Fatehganj (w), Alampur Jafrabad, Ram Nagar and Faridpur where the area of other fellow land has been higher. Therefore, it is proposed that efforts should be initiated in these blocks to use the area of other fellow land for agricultural purpose.

VI.7 Action Plan to Manage the Net Area Sown

The share of net area sown in reporting area of the district was 81 per cent during 2000-2001. On account of fast urbanization in Bareilly district, it has been projected that agricultural land would be diverted to non- agricultural uses and the percentage of net area sown in reporting area of the district would decline to around 76 per cent by 2009-10. In this situation, dispersal of some non- agricultural activities is to be made in those areas of the district where share of net area sown is relatively higher. These blocks are Kyara, Meerganj, Fatehgaj (W), Alampur jafabad and Faridpur.

VII MEERUT DISTRICT

VII.1 Action Plan to Increase the Area of Forest

The land area under forest as percentage of reporting area in the Meerut district was around 10 per cent during the year 2000-2001. In the Model Land Use Plan of the district, it has been proposed to increase the area of forest to 14 per cent by 2009-2010. The area under forest in different blocks of the district showed that there were some blocks where the forest area has been comparatively lower. These are the following blocks where forest development Programme needs to be started on priority basis.

Table 16: Blocks where Forest Development needs to be implemented

Sl.No	Block
1	Kharkhauda
2	Daurala
3	Sardhana
4	Sarurpur Khurd
5	Rohta
6	Machra
7	Rajpura
8	Jani Khurd
9	Mawana Kalan
10	Meerut

Source: Sankhyakiya Patrika, 2001, District Meerut

VII.2 Action Plan to Reduce the Area of Barren Land

The area of barren land in the district was 1.00 per cent of the reporting area during 2000-2001. The gradual reclamation of barren land and its use for various purposes has been suggested in the Model Land Use Plan of the district. The following blocks of the district have relatively higher percentage of area of

barren land. Therefore, Programme of barren land reclamation should be taken up first in these blocks.

Table 17: Blocks where Reclamation of Barren land is to be taken up

Sl. No	Block
1	Parichitgarh
2	Meerut
3	Daurala
4	Rohta
5	KharKhauda
6	Rajpura

Source: Sankhyakiya Patrika, 2001, District Meerut

VII.3 Action Plan to Manage the Area under Non Agricultural Uses

Keeping in view the past trend of urbanization and demand of land for various non-agricultural purposes in the district, it has been estimated in the Model Land Use Plan of the district that land used for non-agricultural purposes would increase from 13 per cent in 2000-2001 to 14 per cent by 2009-2010. However, the sprawl of Meerut city may experience faster growth as Master Plan of Meerut, 2001 has suggested. It has been noticed that growth in area under non- agricultural uses has comparatively faster in the blocks of Meerut, Hastinapur, Sardhana and Rajpura.

VII.4 Action Plan to Reduce the Area under Culturable Waste

The fertile agricultural land abounds in the Meerut district. Therefore, area of culturable waste was not much in the district. It was 1.00 per cent of reporting area during 2000-2001. It has been proposed in the Model Land Use Plan of the

district that where ever area of Culturable waste is available in the district, major part of it should be shifted to cultivation and remaining should be utilized for increasing tree cover. The blocks of Parichitgarh, Meerut, Sarurpur khurd and Hastinapur should be taken up for the proposed use of culturable waste.

VII.5 Action Plan to Reduce the Area under Current Fallow

The area of current fallow was more than one per cent of the reporting area during 2000-2001. However in the blocks of Sardhana, Meerut, Sarurpur Khurd and Hastinapur, area of current fallow was found to be above the district average of the area of current fellow. It is proposed to use the area of current fallow in these blocks for agricultural purposes.

VII.6 Action Plan to Reduce the Area under Other Fallow

Like current fellow, area of other fallow has not been sizable in Meerut district. It was around one per cent of the reporting area in the district. But whatever area of other fallow is there, that should not be left uncultivated. In the Model Land Use Plan of the district, area of other fallow land has been proposed to be reduced to around half per cent of reporting area by 2009-2010. In the blocks of Meerut, Hastinapur, Sarurpur Khurd and Parichitgarh, area of other fallow land has been found to be higher in the district. In these blocks, efforts need to be made to use the area of other fallow for cultivation.

VII.7 Action Plan to Manage the Net Area Sown

In Meerut district, around two third of the reporting area had been under cultivation. As per Model Land Use Plan of the district, there would not be any major change in the net area sown of the district up to 2009-2010.

VIII- Strategy of Implementation

The proposed plan of action can be implemented in two ways. One is to earmark the fund to the concerned departments for implementation of the action plan. The other way is to dovetail the programmes of the concerned departments with the proposed plan of action. Keeping in view the financial constraints in providing additional funds for implementing the proposed plan of action, it would be rational on the part of line departments to establish convergence between their own programmes and the plan of action. With the establishment of due convergence, additional financial requirement would be the minimum and proposed plan of action would be easy to implement.

IX Format of data collection for Land Use Statistics

It was felt by the participants during the presentation of Model Land Use Plan that the nine fold classification of land use data published by the Board of Revenue is not useful now in planning for the land use pattern. On this point, suggestion was made by the Principal Secretary, Department of Planning that a new format is prepared for the purpose of better understanding of land use

comprehensive enough but certain additions were required to make the data more usable. The format used at present for data collection was obtained from the Lucknow Tehsil and it was redesigned in consultation with the officials of Board of Revenue.

1. Reporting Area.
2. Water logged area.
3. Area under Tank, Pond, Lake, etc.
4. Residential Settlements.
5. Land used for other non-agricultural purposes (Road, Railway, industries etc).
6. Land used for Graveyard and cremation.
7. Reclaimable Usar Land.
8. Plain barren land suitable for cultivation.
9. Plain barren land not suitable for cultivation.
10. Undulated barren land suitable for cultivation.
11. Undulated barren land not suitable for cultivation.
12. Area under orchards.
13. Land under Imarati (Building) wood Trees.
14. Land under private commercial forestation.
15. Land of forest department.
16. Land covered under forest of the forest department.
17. Land of the forest department.
18. Land under forest other than of forest department.
19. Imarati land trees of Village Panchayat.
20. Imarati land trees of private ownership.

21. Other Trees and Bushes of Village Panchayat.
22. Other Trees and Bushes of private ownership.
23. Pasture and grazing land.
24. Area under bamboo and Grasses.
25. Other land suitable for cultivation.
26. Current fellow.
27. Old fellow (2 & 3 years old fallow land).
28. Irrigation from Canal.
29. Irrigation from Government tube well.
30. Irrigation from Private tube well.
31. Irrigation from Government well.
32. Irrigation from Private well.
33. Irrigated area.
34. Un-irrigated area.
35. Area under more than one crop.
36. Net sown area.

X Model Land Use Plans and Master Plans

The Land Use Board has suggested to incorporate the Master Plans of respective cities in the Model Land Use Plans of six districts. We have taken in to account the trends in the growth of urban sprawl of cities as shown in their Mater Plans while preparing the Model lands Use Plans.